## **Claim Amendments**

Pursuant to revised 37 CFR 1.121, a complete listing of all claims in the application follows along with a parenthetical expression of the status of each claim. No new matter has been added.

1. (Currently amended) In a fluid/liquid storage tank with a sidewall and a floating roof floating atop the fluid/liquid, an improved grounding system comprising:

a reel connected to the sidewall; and

- said reel having a low impedance conductor <u>for lightning related frequencies</u> connected to the floating roof.
- 2. (Original) The improvement of claim 1, wherein the reel further comprises a take up spool which keeps any slack out of the conductor and maintains a shortest fractional length.
- 3. (Original) The improvement of claim 2, wherein the take up spool further comprises a spring.
- 4. (Original) The improvement of claim 1, wherein the wire further comprises a bare braided copper cable.
- 5. (Original) The improvement of claim 1, wherein the reel further comprises a base having bolts secured to the tank wall.
- 6. (Original) The improvement of claim 4, wherein the bare braided copper cable further comprises a lug having a bolt secured to the floating roof.
- 7. (Original) The improvement of claim 6, wherein the impedance of the lug and bolt, plus the braided copper cable plus the reel is about one ohm or less.
- 8. (Currently amended) A grounding system for a storage tank having a floating roof, said grounding system comprising:
  - a wire having an end connected to the floating roof; said wire having a second end wound around a spool in a reel;

said reel having a grounded connection to a wall segment of the tank; and said wire having a low impedance for lightning related frequencies.

- 9. (Original) The grounding system of claim 8, wherein the wire further comprises a flat braided copper conductor.
- 10. (Original) The grounding system of claim 9, wherein the spool further comprises a take up mechanism to minimize slack in the conductor.
- 11. (Original) The grounding system of claim 10, wherein the total impedance of the system is about five ohms or less.
- 12. (Currently amended) A grounding system for a tank with a floating roof, said grounding system comprising:

means for taking slack out of a cable connected from a floating roof to an upper segment of a tank wall, and thereby maintaining a minimum length; and said cable having a low impedance for lightning related frequencies.

- 13. (Previously presented) The grounding system of claim 12, wherein the means of taking slack out further comprises a reel having a take up spool.
- 14. (Original) The grounding system of claim 13, wherein the take up spool further comprises a spring functioning to constantly pull up on the cable.
- 15. (Original) The grounding system of claim 13, wherein the cable further comprises a braided conductor.
- 16. (Original) The grounding system of claim 15, wherein the system has a total impedance of about five ohms or less.
- 17. (Original) The grounding system of claim 15, wherein the braided conductor has a bolt connection to the floating roof, and the reel has a base with a bolt connection to the tank wall.
- 18. (Currently amended) In a fluid/liquid storage tank with a sidewall and a floating roof floating atop the fluid/liquid, an improved grounding system comprising:

a reel connectable to the sidewall; and

said reel having a low impedance conductor <u>for lightning related frequencies</u> connectable to the floating roof.

- 19. (Previously presented) The improvement of claim 18, wherein the reel further comprises a take up spool which keeps any slack out of the conductor and maintains a shortest fractional length.
- 20. (Previously presented) The improvement of claim 19, wherein the take up spool further comprises a spring.
- 21. (Previously presented) The improvement of claim 18, wherein the wire further comprises a bare braided copper cable.
- 22. (Previously presented) The improvement of claim 18, wherein the reel further comprises a base having bolts secured to the tank wall.
- 23. (Previously presented) The improvement of claim 21, wherein the bare braided copper cable further comprises a lug having a bolt secured to the floating roof.
- 24. (Previously presented) The improvement of claim 23, wherein the impedance of the lug and bolt, plus the braided copper cable plus the reel is about one ohm or less.
- 25. (Previously presented) The apparatus of claim 1 further comprising a plurality of said reels and low impedance conductors connected to the sidewall.
- 26. (Previously presented) The apparatus of claim 8 further comprising a plurality of said reels and wires.
- 27. (Previously presented) The apparatus of claim 12 further comprising a plurality of said means for taking slack out of a cable.
- 28. (Previously presented) The apparatus of claim 18 further comprising a plurality of said reels.
- 29. (New) The improvement of claim 2, wherein the wire further comprises a bare braided copper cable, and wherein the total impedance of said improvement is about five ohms or less.

30. (New) The improvement of claim 19, wherein the wire further comprises a bare braided copper cable, and wherein the total impedance of the improved grounding system is about five ohms or less.